

What is claimed is:

- Sub 2
- 5
1. A method for producing Factor VII comprising (a) cultivation of a mammalian cell line comprising a DNA sequence encoding a yeast endoprotease or a derivative thereof and a DNA sequence encoding FVII in a suitable culture medium; and (b) isolation of Factor VII from the medium.
 2. The method of claim 1, wherein the yeast endoprotease is derived from a *Saccharomyces* strain.
 - 10 C
3. The method of claim 2, wherein the yeast endoprotease is a Kex2 like endoprotease.
 - 15 Sub 2
4. The method of claim 3 wherein the yeast Kex2 like endoprotease is C-terminally truncated and has no transmembrane region.
 5. The method of claim 4, wherein the yeast Kex2 like endoprotease has ER retention signal added to the C-terminal end.
 - 20 B
6. The method of claim 2 wherein the yeast endoprotease is the Kex2 endoprotease from *Saccharomyces cerevisiae*.
 7. The method of claim 1, wherein the culture medium is a serum free medium.
 - 25 8. The method of claim 1 wherein the mammalian cell line is a CHO cell line.
 9. The method of claim 1 wherein the mammalian cell line is a BHK cell line.
 10. The method of claim 1 wherein the mammalian cell line is a HEK 293 cell line.